

WHAT IS CLAIMED IS

1. A high-frequency oscillation circuit comprising a closed circuit including one or more logic elements, and a crystal oscillator for high frequency disposed within said closed circuit.

2. A high-frequency oscillation circuit as claimed in claim 1, further comprising a capacitor and a resistor disposed within said closed circuit.

3. A high-frequency oscillation circuit as claimed in claim 1, further comprising a resistor disposed within said closed circuit, and a capacitor disposed outside said closed circuit and connected with said closed circuit.

4. A high-frequency oscillation circuit as claimed in claim 1, wherein said logic element includes a high-speed TTL or CMOS.

5. A high-frequency oscillation circuit as claimed in claim 1, wherein a crystal oscillator of high frequency of 30 MHz or more is used as said crystal oscillator.

6. A high-frequency oscillation circuit as claimed in claim 1, wherein said closed circuit is formed by disposing one logic element and wherein said crystal oscillator has a basic oscillation frequency in a high frequency area.

7. A high-frequency oscillation circuit as claimed in claim 6, wherein said logic element includes a high-speed

CMOS.

8. A high-frequency oscillation circuit as claimed in claim 6, which is oscillated by a crystal oscillator having a basic oscillation frequency in an oscillation  
5 frequency area of 1 MHz to 500 MHz or more than 500 MHz with the same circuit constitution.

9. A high-frequency oscillation circuit as claimed in claim 6, wherein said crystal oscillator is used as a sensor element for chemical measurement.

10 10. A high-frequency oscillation circuit as claimed in claim 1, wherein said closed circuit is formed so as to connect the input and output of said logic elements.

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